

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

REC'D 06 JUL 2005

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(PCT Article 36 and Rule 70)

Applicant's or agent's file reference S245PCT	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/SE2004/001148	International filing date (day/month/year) 26.07.2004	Priority date (day/month/year) 08.08.2003
International Patent Classification (IPC) or national classification and IPC B65B 67/12		
Applicant STERN, Leif		

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 3 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
 - ☒ (sent to the applicant and to the International Bureau) a total of 2 sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

Date of submission of the demand 04.03.2005	Date of completion of this report 16.06.2005
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88	Authorized officer Anna Åhländer/MP Telephone No. +46 8 782 25 00

Form PCT/IPEA/409 (cover sheet) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2004/001148

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:

- ☐ international search (under Rules 12.3 and 23.1(b))
☐ publication of the international application (under Rule 12.4)
☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

☐ the international application as originally filed/furnished

☒ the description:

pages 1 - 5 as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☒ the claims:

pages _____ as originally filed/furnished

pages* _____ as amended (together with any statement) under Article 19

pages* 8 - 9 received by this Authority on 04.03.2005

pages* _____ received by this Authority on _____

☒ the drawings:

pages 1 - 2 as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (*specify*): _____

☐ any table(s) related to the sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (*specify*): _____

☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2004/001148

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-10</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-10</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-10</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: US 4457483 A
D2: US 6296212 B1
D3: FR 2780029 A1
D4: US 3936087 A
D5: US 4749011 A
D6: US 4760982 A
D7: US 4955496 A
D8: US 5716033 A
D9: US 6007030 A
D10: US 6520554 B2

The cited documents represent the general state of the art.
The invention defined in claims 1-10 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed screen.
Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-10 is novel and is considered to involve an inventive step. The invention is industrially applicable.

Claims:

1. Screen for holding refuse sacks (7) open, characterized in

that the screen (1) is shorter than the refuse sack (7) such that open parts (7b) of the refuse sack (7) can
5 be folded into the screen (1),

that the screen (1) is designed to stretch the refuse sack (7), and

that a locking device (11) is provided on the screen (1) such that open parts (7b) of the refuse sack (7) can
10 be pressed on said locking device (11).

2. Screen according to claim 1, characterized in

that the screen (1) consists of elastic material and is compressible from a normal shape to a narrower
15 shape,

that the refuse sack (7) can be threaded onto the screen (1) or said screen (1) be inserted into said refuse sack (7) when said screen (1) is compressed to a narrower shape, and

20 that the screen (1) can be brought to spring out from its narrower shape to its normal shape and thereby stretch the refuse sack (7).

3. Screen according to claim 2, characterized in that a holding-together member (13) is
25 provided to hold the screen (1) in its narrower shape.

4. Screen according to any preceding claim, characterized in that second end portions (1c) of the screen (1) has at least one handle opening (6) into which parts (12) of the refuse sack (7) are insert-
30 able such that one can get hold of the handle opening (6) in order to lift and carry the screen (1) and the refuse sack (7).

5. Screen according to any preceding claim, characterized in that the locking device (11) comprises pins (11a) which extend outwards from second
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9.

end portions (1c) of the screen (1) and against which open parts (7b) of the refuse sack (7) can be pressed preferably for penetration thereof.

6. Screen according to any preceding claim, c h a -
5 r a c t e r i z e d i n that the screen (1) in cross section has a semicircular or substantially semicircular shape.

7. Screen according to claim 1, c h a r a c t e -
r i z e d i n that the screen (1) is provided to permit
10 location thereof, with a refuse sack (7) provided thereon, on a support (8) from which refuse shall be moved into the refuse sack (7), such that those parts (12) of the refuse sack (7) which extend between the two longitudinal edges (2, 3) of the screen (1) and which thereby have a
15 planar or substantially planar shape, are situated close to and/or engage said support (8).

8. Screen according to any preceding claim, c h a -
r a c t e r i z e d i n that the longitudinal edges
(2, 3) of the screen (1) are designed or include members
20 for preventing damage of the refuse sack (7) by said longitudinal edges (2, 3).

9. Screen according to any preceding claim, c h a -
r a c t e r i z e d i n that a strip (15) can be hoo-
ked onto two longitudinal edges (2, 3) of the screen (1)
25 such that said strip (15) extends across an opening (1a) between said edges (2, 3) at second end portions (1c) of the screen (1) and that open parts (7b) of the refuse sack (7) can be folded within said strip (15).

10. Screen according to any preceding claim, c h a -
30 r a c t e r i z e d i n

that the screen (1) is thin-walled and elastic and consists of polypropylene or similar material, and

that the refuse sack (7) is a plastic bag from which the screen (1) can be removed and which can be
35 tied up after removal of the screen (1).